



2021

MSA National Standing Supplementary Regulations

MSA Rotax Sporting Regulations



Version 3

18 June 2021

Ref: 162443

REVIEW AND AMENDMENTS

Motorsport South Africa (MSA) will periodically review these rules and will present the revised version to all members for agreement to publish the updated version.

Amendments and updates to the rules will be recorded in the Amendment Record, detailing the updated version, date of approval of the amendment and a short summary of the amendment.

AMENDMENT RECORD

<i>Modified SSR / ART</i>	<i>Date applicable</i>	<i>Date of Publication</i>	<i>Clarifications</i>
5.6	Immediate effect	18.06.2021	Regulation Amended
5.7	Immediate effect	18.06.2021	Regulation Amended
8.4	Immediate effect	18.06.2021	Regulation Amended
10.1	Immediate effect	18.06.2021	Regulation Amended
5.7.1	Immediate effect	04.03.2021	Wording added
10.1	Immediate effect	04.03.2021	Wording deleted
10.1.3	Immediate effect	04.03.2021	Wording added

INDEX:

1. CLASSES, LICENCES, AGE AND WEIGHT
2. GENERAL CONDITIONS
3. RACING NUMBERS
4. OFFICIALS
5. ELIGIBILITY OF EQUIPMENT
6. TECHNICAL SPECIFICATIONS
7. SAFETY EQUIPMENT
8. TYRES
9. FUEL AND OIL
10. RACE EVENT, CHAMPIONSHIPS AND FORMATS
11. POINT SCORING
12. DECLARATION OF A CHAMPION
13. COMBINING OF CLASSES
14. CIRCUIT CLOSURE PRIOR TO NATIONAL CHAMPIONSHIP EVENTS
15. NOSE CONE
16. CLASSIFICATION AND AWARDS
17. INSTRUCTIONS AND NOTIFICATIONS TO ENTRANTS
18. PROTEST AND APPEALS
19. CODE OF CONDUCT
20. PENALTY CATALOGUE

1. CLASSES, LICENCES, AGE AND WEIGHT

1.1 CLASSES

The MSA Rotax Classes are the following:

- Bambino*
- Micro MAX
- Mini MAX
- Junior MAX
- Senior MAX
- DD2
- DD2 Masters

*** BAMBINO Class utilises a Top Kart / Comer kart and as it is not a MSA Rotax Product, so the details of this class can be found in Bambino Supplementary Technical Regulations 2021.**

1.2 LICENCES

Refer to article 11 of the 2021 MSA National Karting Standing Supplementary Regulations.

1.3 AGE LIMITS

Bambino

the driver must have his/her 5th birthday during the year of the event and must have his/her 10th birthday after 2021.

Micro MAX

The driver must have his/her 7th birthday during the year of the event and must have his/her 12th birthday after 2021.

Mini MAX

The driver must have his/her 9th birthday during the year of the event and must have his/her 14th birthday after 2021.

Junior MAX

The driver must have his/her 12th birthday during the year of the event and must have his / her 15th birthday after the year of the event.

Senior MAX

The driver must have his/her 14th birthday during the year of the event.

DD2

The driver must have his/her 15th birthday during the year of the event.

DD2 Masters

The driver must have his/her 32nd birthday during the year of the event.

Drivers of 16 years or older who weigh more than 85kg in their shorts on the day of the race may race in this class.

1.4 **MINIMUM WEIGHTS**

The minimum weight for the kart, including driver and all required safety equipment (helmet, overall, gloves, etc.) must be at all times:

Minimum Weights (kg)	MICRO	MINI	JUNIOR	SENIOR	DD2	DD2 M
	105	118	145	160	174	180

2. **GENERAL CONDITIONS**

Refer to the 2021 MSA National Karting Standing Supplementary Regulations Section E Article 10.

3. **RACING NUMBERS**

Racing numbers shall comply with provisions of the 2021 MSA National Karting Standing Supplementary Regulations Article 22.

Racing numbers for each class are:

Bambino	1 to 99	Black number yellow backing
Micro MAX	601 to 699	Black number yellow backing
Mini MAX	501 to 599	White number blue backing
Junior MAX	401 to 499	White number green backing
Senior MAX	201 to 299	White number black backing
DD2	1 to 99	White number red backing
DD2 Masters	101 to 199	Black number white backing

4. **OFFICIALS**

- 4.1 As per article 7 of the 2021 MSA National Karting Standing Supplementary Regulations.
- 4.2 Penalties shall be imposed directly by the Clerk of the Course following a hearing.

5. **ELIGIBILITY OF EQUIPMENT**

5.1 **Chassis**

- 5.1.1 As per MSA Homologated chassis (All classes)
- 5.1.2 Chassis must be in accordance with the 2021 MSA National Karting Standing Supplementary Regulations.
- 5.1.3 Change of Chassis refer to Article Section C 8 f) of the 2021 MSA National Karting Standing Supplementary Regulations.

5.2 **Engines**

- 5.2.1 Refer to class specific Technical Regulations.
 - 5.2.2 As a minimum, technical checks will be performed on all equipment finishing top 3 in an event.
 - 5.2.3 All port duration measurements will be done with digital degree wheel.
- 5.3 Each driver will be allowed to use two engines per race. For National Events Both engines MUST be sealed at sporting check or in any case before qualifying.
 - 5.4 Both engines need to be presented for scrutineering.
 - 5.5 When a competitor decides to use his second engine during competition the first used Engine need to be handed in at the technical area prior to the start of the competitor's next race. Engines handed in with the technical department will be subjected to technical checks.

5.6 Engine claim system is in place for all competitions. **The engine claim/buyout system will not be applicable to the Bambino class.**

5.7 Engine claim procedure **(not applicable to the Bambino Class):**

- 5.7.1 By entering a MSA national championship event, the competitor concerned signifies his/her agreement to make their engine available as part of the buyout system.
- 5.7.2 Any refusal to make an engine available in terms of the buyout system shall render the offender liable for exclusion from the relevant race meeting and any further action that MSA may deem appropriate following a formal hearing.
- 5.7.3 An irrevocable request, by completing the "Engine Claim Form", to purchase the engine used by the winner of the day (i.e. the competitor with the highest points total across all the races for the relevant class during the race meeting) shall be lodged with the Stewards of the Meeting, via the Race Secretary, prior to the commencement of qualifying for the particular class.
- 5.7.4 The competitor submitting a successful engine buyout claim will automatically purchase the engine used by the second placed competitor of the day (i.e. the competitor with the second highest points total across all the races for the relevant class during the race meeting) if the competitor submitting the successful buyout claim is himself/herself the winner of the day (as defined in point 5.7.3) above).
- 5.7.5 The competitor submitting an engine buyout claim first shall receive preference in instances where more than one competitor claims the winner's engine in a particular class.
- 5.7.6 The price of an engine subject to a buyout-based transfer of ownership shall be calculated by the Stewards of the Meeting, in consultation with any other party/ies they may deem fit, based on the retail price for a new engine (which includes exhaust and carburettor) + VAT + 10%.
- 5.7.7 Once all racing has concluded for the affected class at the relevant race meeting, and the necessary technical formalities have been completed, an engine subject to a buyout shall be retained by the race organisers and handed over to the buyer upon satisfactory proof of payment to RCMC or their appointed representatives ONLY.
- 5.7.8 If the winner has used more than one engine during the race meeting, the buyer may select which of the engines he/she wishes to purchase.
- 5.7.9 A competitor may only exercise a buyout option once per national championship season.
- 5.7.10 A seller will only be required to "sell" an engine once in a season.
- 5.7.11 The seller of an engine in terms of the buyout system will receive a brand new engine and 10% of the value in cash from ROK Cup SA.
- 5.7.12 The buyer of an engine in terms of the buyout system assumes all risks that may accompany such a purchase and neither MSA, nor ROK Cup SA nor the race organisers or officials shall accept any liability in this regard.

6. **TECHNICAL SPECIFICATIONS**

- 6.1 Refer to individual class technical specifications and sporting regulations.
- 6.2 It is at all times the responsibility of the competitor to ensure their equipment complies with the technical specifications.
- 6.3 Data acquisition and communications:
 - 6.3.1 Data acquisition systems specifically designed for karting application is allowed.
 - 6.3.2 For clarification - Exhaust temperature sensors only allowed during competition where the exhaust comes as supplied with the provision for the fitting of the sensor as per technical class fiche.
 - 6.3.3 No "Lambda" type sensors or ones with similar functions permitted.
 - 6.3.4 No live communication with driver or live data transmission between vehicle and paddock is allowed during competition

7. SAFETY EQUIPMENT

Refer to Section F 12 of the 2021 MSA National Karting Standing Supplementary Regulations.

8. TYRES

- 8.1 One (1) set Dry and/or Wet tyres are permitted from the start of Timed Qualifying practice.
- 8.2 All Drivers must start qualifying practice on new tyres except if it's declared as wet race or where the class specific regulations or event SR's permits otherwise.
- 8.3 Only tyres issued by the organizers will be permitted for the race
- 8.4 Tyres allowed per class: these are subject to change by means of a MSA circular

Class	Slick	Wet
Bambino	Mojo C2: F 4.0/10.0 – 5 R 5.00/11.0 -5 Used Levanto KRT Mini: F10 x 4.00-5 / R11 x 5.00-5	Mojo W2 / W3
Micro Max	Mojo C2: F 4.0/10.0 – 5 R 5.00/11.0 -5	Mojo W2 / W3
Mini Max	Mojo C2: F 4.0/10.0 – 5 R 5.00/11.0 -5	Mojo W2 / W3
Junior Max	Mojo D5: F 4.5/10.0 – 5 R 7.1/11.0 -5	Mojo W2 / W3
Senior Max	Mojo D5: F 4.5/10.0 – 5 R 7.10/11.0 -5	Mojo W2 / W3
DD2	Mojo D5: F 4.5/10.0 – 5 R 7.10/11.0 -5	Mojo W2 / W3

9. FUEL AND OIL

- 9.1 Fuel for the races and qualifying will be tested randomly as per the 2021 MSA National Karting Standing Supplementary Regulations.
- 9.2 Commercial quality petrol from a specified roadside petrol station only, maximum 95 Octane, mixed with Rotax XPS Synmax Kart Racing Oil Dye or Motul 800 (or equivalent) will be the only oil allowed unless otherwise specified in the event SR's.
- 9.3 The following oil mix ratios will apply:
 - 9.3.1 Bambino Mix – 20:1
 - 9.3.2 MSA Rotax classes – 50:1
- 9.4 The Fuel station and pumps will be indicated in the SR's for the event.

10. RACE EVENT, CHAMPIONSHIPS AND FORMATS

- 10.1 MSA ROTAX National events.
 - 10.1.1 ~~The championship will be run over 4 Rounds with 12 Heats in total~~ All ROTAX National classes are cancelled except for the Bambino class (refer to MSA National Karting Circular 7 of 2021).
 - 10.1.2 ~~After the 4 Rounds the best 10 Heats will be counted to determine the final point standing in the championship. (Discard 2 worst heats).~~ The Bambino class will count all heats to determine the final points standing in the Championship (refer to MSA National Karting Circular 7 of 2021).
 - 10.1.3 Prize money will be awarded to the top 3 finishers in each the Bambino class only provided that the class/es comply complies with a minimum of six (6) starters. (MSA National events ONLY):
 - First Place - R3500
 - Second Place - R1500
 - Third Place - R1000

- 10.2 MSA ROTAX Regional Championships
- 10.2.1 There will be minimum 6 Rounds with 3 Heats raced per round.
- 10.2.2 After the selected amount of Rounds 3 worst heats will be discarded to determine overall Standings.
- 10.3 MSA ROTAX races can be held in conjunction with respective club and regional dates. Your participation in these rounds and results will therefore count towards your club/regional/national scoring for the qualifying classes. Respective championships will be scored separately. In order to score in the championship club/regional/national criteria will have to be fulfilled as per MSA Karting National and/or Regional regulations. Club championships are reserved for the respective club members of respective hosts. Licences need to be in place as per the event SSR specified class status.
- In cases of a combined National and Regional Championship, it is incumbent on the Promoters to ensure that the entry list depicts the domicile, as well as which championship the competitors have entered to ensure the correct allocation of points towards a championship.
- 10.4 In the event of an event postponement without the possibility of other date being scheduled the number of events to count towards the respective championships will reduce by this number and drops will remain in place.

11. POINTS SCORING

- 11.1 Points scoring will be done in accordance with 2021 MSA National Karting Standing Supplementary Regulations.
- 11.2 Competitors will be eligible to score championship points irrespective of the number of events they participate in.
- 11.3 Points will be scored per race on the following basis in all classes 35-32-30-29, and from 1st to last and so on.
- 11.4 The separation of ties at the end of the day and the end of the championship will be determined by the person who had the most 1st place finishes then 2nd place finishes and so on during the championship.
- 11.5 Non-starters in a race will score 0.
- 11.6 Non-Finishers in a race will score last place less 2 places.
- 11.7 Exclusions for infringements other than for technical reasons will score 0 and can be discarded.
- 11.8 Exclusion as a result of a technical infringement will score 0 points and cannot be discarded.
- 11.9 Competitors will score 0 for all events not participated in.
- 11.10 Zero (0) points awarded for non-participation in the final rounds of the championships cannot be discarded.

12. DECLARATION OF A CHAMPION

- 12.1 MSA at their sole discretion are responsible for declaring the winners of the MSA ROTAX Championships or for withholding such declaration. Points will be available from the MSA website www.motorsport.co.za
- 12.2 South African National Champions for classes that qualify will be declared by MSA on condition that the minimum required criteria have been met.

13. COMBINING OF CLASSES

- 13.1 The following classes may be combined but must be scored separately:
- 13.1.1 Micro MAX and Mini MAX

13.1.2 Junior MAX and Senior MAX

13.2 The grid shall be determined by lap times in qualifying when classes are combined.

13.3 DD2 and DD2 Master will always race together Regionally and Nationally and will be scored as a "class within a class" – so all are scored first as DD2 and then re-scored with only the DD2 Masters competitors being eligible to score points.

14. CIRCUIT CLOSURE PRIOR TO NATIONAL CHAMPIONSHIP EVENTS

Circuits will be closed to all national competitors and equipment to be used in the National Championship event, from the Monday immediately preceding the start of practice as per the event programme.

15. NOSE CONE

Refer to Section D article 9 c) of the 2021 MSA National Karting Standing Supplementary Regulations.

16. CLASSIFICATION AND AWARDS

The classification of the 2021 championship will be that of the relevant event / series regulations. Trophies will be awarded in each class for the first three finishing drivers of the final of the MSA ROTAX events/series.

17. INSTRUCTIONS AND COMMUNICATIONS TO ENTRANTS

Refer to Section B article 5 f) of the 2021 MSA National Karting Standing Supplementary Regulations.

18. PROTEST AND APPEALS

18.1 For Protests refer to Section L article 45 of the 2021 MSA National Karting Standing Supplementary Regulations.

18.2 For Appeals refer to Section L article 46 of the 2021 MSA National Karting Standing Supplementary Regulations.

19. CODE OF CONDUCT

Refer to Section G article 15 of the 2021 MSA National Karting Standing Supplementary Regulations.

20. PENALTY CATALOGUE

Refer to Section D article 9 of the 2021 MSA National Karting Standing Supplementary Regulations.